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of the Royal Academy of Sciences of Turin. We learn from *Nature* that the king of Italy presided at the inauguration ceremony, which was attended by nearly all the more eminent Italian chemists and physicists, as well as by a number of representatives of foreign academies, including M. Haller, of the Paris Academy of Sciences; M. Moureu, of the Chemical Society of France; Professor Nernst, of the Chemical Society of Berlin, and M. Guye, of the Geneva Society. The date selected was the centenary of the publication of Avogadro's celebrated memoir.

GEORGE WILLIAM JONES, professor of mathematics at Cornell University from 1877 to 1907, when he became professor emeritus, died on October 29, aged seventy-four years.

M. LOUIS GRANDEAU, formerly general inspector of the French Agricultural Station, has died at the age of seventy-seven years.

PROFESSOR PAUL B. RICHTER, of the Royal Gymnasium at Quedlinburg, Saxony, who devoted much of his time to the study of the Cretaceous fossil plants of that kingdom, died on October 9, at the age of 57.

DR. JULIUS VON MICHEL, professor of ophthalmology and director of the eye clinic of the University of Berlin, has died at the age of sixty-seven.

UNIVERSITY AND EDUCATIONAL NEWS

ANNOUNCEMENT is made that the action brought by the children of the late Mrs. George Crocker to recover the residence at No. 1 East Sixty-fourth street and its contents, which form a part of the legacy given by the late George Crocker to Columbia University for the study of cancer, has been discontinued with the consent of the plaintiffs upon the payment to them by Columbia University of \$60,000, the equivalent of interest at three per cent. for two years on the amount the plaintiffs claimed.

SUBSCRIPTIONS for \$150,000 to meet the conditional pledge of \$50,000 from the General Education Board have been received by Middlebury College. One half of the fund will be reserved for general endowment, while \$50,000 will be expended for a gymnasium.

MOUNT HOLYOKE COLLEGE has received a bequest of \$5,000 from S. Newton Cutter, of Somerville, Mass., the income of which will be used for the purchase of books for the library.

MR. E. B. BURLINGAME, of Providence, has presented to Brown University his botanical herbarium of some 3,000 specimens.

BEGINNING with the session of 1911-12, the University of Missouri will require two years of college work for admission to all professional schools, except the College of Agriculture.

A NEW system of granting honors for university work has been started at the University of Wisconsin. Hereafter, special recognition will be granted at the end of the second year and at graduation. Honors at the end of the sophomore year will be granted for unusual excellence of work carried on in at least two different departments. Graduation honors will be of two kinds. First, honors will be awarded for an exceptionally original and scholarly thesis, without any consideration of the writer's previous record. Second, honors will be granted for a general high average of the required work done throughout the entire course, supplemented by independent work done in at least two subjects.

AT the annual meeting of the Association of American Universities, held at the Reynolds Club of the University of Chicago on October 26 and 27, twenty-one of the leading universities of the country were represented. The principal question before the association was the unification of the requirements for graduate work in major studies. Among those who took a prominent part in the discussion were Presidents Strong, of Kansas; Lowell, of Harvard; Wheeler, of California; Vincent, of Minnesota; Hill, of Missouri; Alderman, of Virginia, and Judson, of Chicago.

YALE, Columbia, Johns Hopkins, Virginia, Illinois and Minnesota have joined in an arrangement for an exchange of professors with Japan. Under the terms of this agreement Japan will be represented for four weeks at each of the above named institutions, the coming year by Dr. Ignazo Nitobe, of Tokio,

Japan. Each of the seven universities contributes five hundred dollars every other year to send a representative from the United States to Japanese universities.

PREPARATIONS are under way for the centennial commencement of Hamilton College on June 17, 1912. Senator Elihu Root, chairman of the board of trustees, has announced that President Taft and Vice-President Sherman will deliver addresses.

GOVERNOR STUBBS, of Kansas, Chancellor Frank Strong and regents William Allen White, Rodney A. Elward and Scott Hopkins, of the University of Kansas, have spent three days at the University of Wisconsin studying its methods with special reference to the extension of its work in education throughout the state.

DR. THOMAS E. HODGES was installed as president of the University of West Virginia on November 1.

By the appointment of Professor H. C. Peffer as professor of chemical engineering at Purdue University, this department has been raised to the status of a school coordinate with those of civil, electrical and mechanical engineering, and made independent of the department of chemistry, which, however, will continue to give instruction in general, organic and analytic chemistry. Professor Peffer will, during the current year, give instruction to seniors in industrial organic chemistry and metallurgy, and direct the preparation of graduation theses. Professor Peffer is a graduate (B.S. 1895 and M.S. 1907) of Pennsylvania State College and has been connected as chemist or superintendent with the Carnegie Steel Co., the Pennsylvania Salt Co. and the Pittsburgh Reduction Co., now the Aluminum Company of America.

At the University of Missouri the following appointments have recently been made: W. J. Calvert, M.D. (Johns Hopkins), professor of preventive medicine; J. A. Ferguson, M.F. (Yale), professor of forestry; R. H. Baker, Ph.D. (Pittsburgh), assistant professor of astronomy and director of the Laws Observatory; H. L. Kempster, B.S. (Michi-

gan Agricultural College), assistant professor of poultry husbandry; Lawrence G. Lowrey, A.M. (Missouri), acting assistant professor of anatomy; A. J. Meyer (formerly of Wisconsin), assistant professor and superintendent of the two-year course in agriculture; Matthew Steel, Ph.D. (Columbia), assistant professor of physiological chemistry; G. S. Dodds, Ph.D. (Pennsylvania), instructor in zoology; O. F. Field (formerly of Nebraska), instructor in physical education; R. L. Gainey, A.M. (Washington University), instructor in botany; Paul Phillips, B.S. (Missouri), instructor in manual arts; Ralph E. Root, Ph.D. (Chicago), instructor in mathematics; W. A. Tarr, S.B. (Arizona), instructor in geology and mineralogy. The following promotions have been made: E. A. Trowbridge, from assistant professor to professor of animal husbandry; C. B. Hutchinson, from instructor to assistant professor of agronomy; Horace F. Major, from instructor to assistant professor of landscape gardening; O. W. H. Mitchell, from instructor to assistant professor of pathology; H. C. Rentschler, from instructor to assistant professor of physics; J. C. Hackleman, from assistant to instructor in agronomy; L. G. Rinkle, from assistant to instructor in dairy husbandry; Warren Roberts, from assistant to instructor in civil engineering.

DISCUSSION AND CORRESPONDENCE

CHROMOSOMES AND ASSOCIATIVE INHERITANCE

THE difficulties that Emerson finds in the chiasma type hypothesis are not, I think, as serious as he states (*SCIENCE*, October 20, 1911); and since the hypothesis appeared to meet the situation so exactly I ventured to suggest that it might be worth consideration. My brief reference to this postulated mechanism (*SCIENCE*, September 21, 1911) seems not to have been entirely understood by Emerson, for which the brevity of the statement, or failure to express myself clearly may be responsible, but by reference to Janssens's paper ("La Cellule," 1909) I had hoped a brief statement would suffice. In fact, the only difficulty of any weight raised by Emerson is not a dif-